What is claimed is:

1. A optical system for image capturing, comprising

a special optical component consists of a first lens and a triangular prism as a whole;

a uniform light source;

a detector installed at the first lens side of said special optical component;

a second lens installed between said special optical component and said detector; and

an aperture installed between said special optical component and said second lens.

2. The optical system of claim 1 wherein said uniform light source is at least two pairs of LEDs.

3. The optical system of claim 1 wherein said first lens is a Plano-convex lens.

4. The optical system of claim 1 wherein said detector is a CMOS sensor.

5. A method for image capturing, comprising

Installing a uniform light source at the side of a triangular prism of a special optical component, wherein said special optical component consists of a first lens and said triangular prism;

Installing said detector at the side of said first lens of said special optical component;

Installing an second lens between said special optical component and said detector; and

Installing an aperture between said special optical component and said second lens.

6. The method of claim 5 wherein said uniform light source is at least two pairs of LEDs.

7. The method of claim 5 wherein said first lens is a Plano-convex lens.

8. The method of claim 5 wherein said detector is a CMOS sensor.